Journal of

NEUROLOGY NEUROSURGERY & PSYCHIATRY

VOLUME 57 · 1994

Editor: R A C Hughes
Associate Editor: J D Pickard
Associate Editor (from September): M A Ron
Deputy Editor: M D O'Brien
Book Review Editor: J M S Pearce
From March: C M C Allen

M J Aminoff
C Binnie
N E F Cartlidge
J S Chopra
R J Dolan
M Esiri
G F G Findlay
R S J Frackowiak
R J Guiloff
A Harding
J R Hodges
A P Hopkins
R S Kocen
B R F Lecky
A J Lees
C N Martyn
J G McLeod
E Melamed
A D Mendelow
J D Miller
J P Mohr
I Moseley
N M F Murray
G D Perkin
C E Polkey
N Quinn
R O Robinson
P Rudge
H Sagar
P Sandercock
J W Scadding
M D M Shaw
P D Swanson
D T Wade
J T L Wilson

Editor
British Medical Journal

Technical Editors:
A C Waddingham
N B Haynes

BMJ Publishing Group

VOLUME 57 · CONTENTS

No 1 JANUARY 1994 — Page

Editorial announcement

1 Editorial evolution *R A C Hughes*

Editorial

3 Immunotherapy for multiple sclerosis *R A C Hughes*

Neurological management

7 Clinical genetics in neurological disease *J C MacMillan, P S Harper*

Neurological picture

16 Tomaculous neuropathy *S M Hall*

Papers

17 Mechanisms of cerebral artery thrombosis: a histopathological analysis on eight necropsy cases *J Ogata, J Masuda, C Yutani, T Yamaguchi*

22 Measuring ataxia: quantification based on the standard neurological examination *N C Notermans, G W van Dijk, Y van der Graaf, J van Gijn, J H J Wokke*

27 Pure amnesia after unilateral left polar thalamic infarct: topographic and sequential neuropsychological and metabolic (PET) correlations *S Clarke, G Assal, J Bogousslavsky, F Regli, D W Townsend, K L Leenders, S Blecic*

35 Limb temperature and human tremors *M Lakie, E G Walsh, L A Arblaster, F Villagra, R C Roberts*

43 Pathophysiology of hemimasticatory spasm *G Cruccu, M Inghilleri, A Berardelli, G Pauletti, C Casali, P Coratti, G Frisardi, P D Thompson, M Manfredi*

51 Magnetic resonance imaging in degenerative ataxic disorders *I E C Ormerod, A E Harding, D H Miller, G Johnson, D Macmanus, E P G H du Boulay, B E Kendall, I F Moseley, W I McDonald*

58 Utility of stereoelectroencephalography in preoperative assessment of temporal lobe epilepsy *C D Binnie, R D C Elwes, C E Polkey, A Volans*

66 Endothelin and aneurysmal subarachnoid haemorrhage: a study of subarachnoid cisternal cerebrospinal fluid *P Gaetani, R Rodriguez y Baena, G Grignani, G Spanu, L Pacchiarini, P Paoletti*

73 Selective deficit of visual size perception: two cases of hemimicropsia *L Cohen, F Gray, C Meyrignac, S Dehaene, J-D Degos*

79 Cognitive deficits in progressive supranuclear palsy, Parkinson's disease, and multiple system atrophy in tests sensitive to frontal lobe dysfunction *T W Robbins, M James, A M Owen, K W Lange, A J Lees, P N Leigh, C D Marsden, N P Quinn, B A Summers*

89 Unilateral spatial neglect due to right frontal lobe haematoma *S Maeshima, K Funahashi, M Ogura, T Itakura, N Komai*

Short reports

94 Elastin cross-linking in the skin from patients with amyotrophic lateral sclerosis *S Ono, M Yamauchi*

97 Heart rate differences between right and left unilateral electroconvulsive therapy *C M Swartz, R Abrams, R D Lane, M A DuBois, J Srinivasaraghavan*

100 Abnormal movement related potentials in patients with lesions of basal ganglia and anterior thalamus *A Fève, N Bathien, P Rondot*

105 Acute diffuse leukoencephalitis in HIV-1 infection *W Lüer, J Gerhards, S Poser, T Weber, K Felgenhauer*

108 Excitability of the motor cortex to magnetic stimulation in patients with cerebellar lesions *V Di Lazzaro, D Restuccia, M Molinari, M G Leggio, R Nardone, D Fogli, P Tonali*

Clinicopathoiogical case conference

111 Progressive paraparesis, lymphocytic meningitis, and stroke in a 37-year-old man *J Bamford, J Ironside, H McNaughton, C P Warlow*

Lesson of the month

116 Unilateral asterixis due to a lesion of the ventrolateral thalamus *R Stell, S Davis, W M Carroll*

Letters

119 Acute dystonia due to clozapine *O Kastrup, M Gastpar, M Schwarz*

119 Changes in CSF amino acid concentrations during the evolution of amyotrophic lateral sclerosis *O Blin, D Samuel, A Nieoullon, G Serratice*

120 Selective enhancement of executive function by idazoxan in a patient with dementia of the frontal lobe type *B J Sahakian, J J Coull, J R H Hodges*

121 Ictal language shift in a polyglot *M S Schwartz*

121 Relief of trigeminal neuralgia by proparacaine *J Vassilouthis*

Proceedings

122 Summer Meeting of the British Neuropsychiatric Association, Cambridge, July 1993 *M A Ron*

Neurological stamp

2 Caspar Wistar (1760–1818) *L F Haas*

Miscellanea

126 Matters arising · Notices · Correction · Book reviews

No 2 FEBRUARY 1994

Editorial

129 Cellular pathology of multiple system atrophy: a review *P L Lantos, M I Papp*

Neurological management

134 Headache *J M S Pearce*

Papers

144 Serial MRI of the brain in asymptomatic patients infected with HIV: results from the UCMSM/Medical Research Council neurology cohort *H Manji, S Connolly, R McAllister, A R Valentine, B E Kendall, M Fell, P Durrance, A J Thompson, S Newman, I V D Weller, M J G Harrison*

150 Lymphomatous meningitis in AIDS-related systemic non-Hodgkin's lymphoma: a report of eight cases *R H Enting, R A J Esselink, P Portegies*

154 Total lymphoid irradiation in multiple sclerosis *C M Wiles, L Omar, A V Swan, G Sawle, J Frankel, R Grunewald, T Joannides, P Jones, H Laing, P H Richardson, A S Hamblin, J Harris, G Thomas, D H Miller, I F Moseley, W I McDonald, D G MacManus*

164 A placebo-controlled trial of isoprinosine in patients with multiple sclerosis *N M Milligan, D H Miller, D A S Compston*

169 Intravesical capsaicin for treatment of detrusor hyperreflexia *C J Fowler, R O Beck, S Gerrard, C D Betts, C G Fowler*

174 Contralateral cerebellar hypometabolism: a predictor for stroke outcome? *C Serrati, G Marchal, P Rioux, F Viader, M C Petit-Taboué, P Lochon, D Luet, J M Derlon, J C Baron*

180 HMPAO SPECT in Parkinson's disease before and after levodopa: correlation with dopaminergic responsiveness *H S Markus, D C Costa, A J Lees*

186 Effect of entacapone, a peripherally acting catechol-O-methyltransferase inhibitor, on the motor response to acute treatment with levodopa in patients with Parkinson's disease *M Merello, A J Lees, R Webster, M Bovingdon, A Gordin*

190 Myogenic potentials generated by a click-evoked vestibulocollic reflex *J G Colebatch, G M Halmagyi, N F Skuse*

198 Post-traumatic amnesia: still a valuable yardstick *J T L Wilson, G M Teasdale, D M Hadley, K D Wiedmann, D Lang*

202 Cognitive impairment after stroke: frequency, patterns, and relationship to functional abilities *T K Tatemichi, D W Desmond, Y Stern, M Paik, M Sano, E Bagiella*

208 Iron status, movement disorders, and acute phase response in elderly psychiatric patients *A J Treloar, M A Crook, P Tutt, D P White, M P Philpot*

211 Spelling dyslexia: a deficit in the visual word-form *E K Warrington, D Langdon*

Short reports

217 Does selegiline delay progression of Parkinson's disease? A critical re-evaluation of the DATATOP study *C D Ward*

221 Homolateral ataxia and crural paresis: a crossed-cerebellar diaschisis *M Giroud, E Creisson, H Fayolle, P Gras, P Vion, F Brunotte, R Dumas*

223 Folate deficiency in cerebrospinal fluid associated with a defect in folate binding protein in the central nervous system *R A Wevers, S I Hansen, J L M van Hellenberg Hubar, J Holm, M Høier-Madsen, P J H Jongen*

227 Changes in focal interictal epileptiform activity during and after the performance of verbal and visuospatial tasks in a patient with intractable partial seizures *S J Boniface, R P Kennett, J M Oxbury, S M Oxbury*

229 Adult *Toxicara canis* encephalitis *C Sommer, E B Ringelstein, R Biniek, W M Glöckner*

232 Depression in secondary epilepsy: relation to lesion laterality *M F Mendez, J L Taylor, R C Doss, P Salguero*

Lesson of the month

234 Neuro-ophthalmological presentation of non-invasive aspergillus sinus disease in the non-immunocompromised host *P Brown, P Demaerel, A McNaught, T Revesz, E Graham, B E Kendall, G Plant*

Letters

238 Chronic progressive motor polyneuropathy after ganglioside treatment *B Schwerer, S Pichler, H Bernheimer, G Safoschnik, G Pötzl*

238 Hereditary multiple exostosis with spinal cord compression in a 13-year-old boy *I Emanuelson, M Kyllerman, A Roos*

239 Bilateral tarsal tunnel syndrome *M Denišlič, J Bajec*

240 Incidental olfactory aplasia: a case report *K E Dundas, R Mc D Anderson*

240 Amoebic brain abscess: a rare but serious complication of *Entamoeba histolitica* infection *A Ali Shah, H Shaikh, M Karim*

Proceedings

242 Association of British Neurologists, London, 29 September–1 October 1993

Neurological stamp

133 Dominique Jean Larrey (1766–1842) *L F Haas*

Miscellanea

253 Matters arising · Notice

No 3 MARCH 1994

Editorial

257 Management of cervical spondylotic myelopathy and radiculopathy *R Braakman*

Neurological management

264 Epilepsy *D Chadwick*

Papers

278 Differential diagnosis of Parkinson's disease, multiple system atrophy, and Steele-Richardson-Olszewski syndrome: discriminant analysis of striatal ^{18}F-dopa PET data *D J Burn, G V Sawle, D J Brooks*

285 Heterogeneity of neocortical cerebral blood flow deficits in dementia of the Alzheimer type: a [^{99m}Tc]-*d,l*-HMPAO SPECT study *G Waldemar, P Bruhn, M Kristensen, A Johnsen, O B Paulson, N A Lassen*

296 Brain glucose utilisation in acquired childhood aphasia associated with a sylvian arachnoid cyst: recovery after shunting as demonstrated by PET *A G De Volder, Ch Michel, C Thauvoy, G Willems, G Ferrière*

301 Somatosensory evoked potentials after multisegmental upper limb stimulation in diagnosis of cervical spondylotic myelopathy *D Restuccia, M Valeriani, V Di Lazzaro, P Tonali, F Mauguière*

309 Electrophysiological assessment of central and peripheral motor routes to the lingual muscles *W Muellbacher, J Mathis, C W Hess*

316 Reflex myoclonus in olivopontocerebellar atrophy *M E Rodriguez, J Artieda, J L Zubieta, J A Obeso*

320 The characteristics of epilepsy in a largely untreated population in rural Ecuador *M Placencia, J W A S Sander, M Roman, A Madera, F Crespo, S Cascante, S D Shorvon*

326 Accuracy, reproducibility, and variability of hand-held dynamometry in motor neuron disease *A Goonetilleke, H Modarres-Sadeghi, R J Guiloff*

333 Drug refractory epilepsy in brain damage: effect of dextromethorphan on EEG in four patients *B Schmitt, R Netzer, S Fanconi, P Baumann, E Boltshauser*

340 Antiarrhythmic drugs and polyneuropathy *The Collaborative Group for the Study of Polyneuropathy*

344 Benign familial disease with muscle mounding and rippling *R J Burns, A H Bretag, P C Blumbergs, M G Harbord*

348 The neck-tongue syndrome *K W Orrell, C D Marsden*

353 Dementia in two histologically confirmed cases of multiple sclerosis: one case with isolated dementia and one case associated with psychiatric symptoms *B Fontaine, D Seilhean, A Tourbah, C Daumas-Duport, C Duyckaerts, N Benoit, B Devaux, J-J Hauw, G Rancurel, O Lyon-Caen*

360 A central executive deficit in patients with Parkinson's disease *J C Dalrymple-Alford, A S Kalders, R D Jones, R W Watson*

Short reports

368 Reduction in external cues and movement sequencing in Parkinson's disease *N Georgiou, J L Bradshaw, R Iansek, J G Phillips, J B Mattingley, J A Bradshaw*

371 Benign intracranial hypertension associated with the withdrawal of a non-ergot dopamine agonist *S L Atkin, E A Masson, L D Blumhardt, M C White*

373 Birth injury as a causative factor of syringomyelia with Chiari type I deformity *K Hida, Y Iwasaki, H Imamura, H Abe*

375 Single fibre EMG studies in chronic fatigue syndrome: a reappraisal *L Roberts, E Byrne*

Special lecture

377 Brain failure in private and public life: a review *W Gooddy*

Letters

381 Isolated intracranial hypertension presenting with trigeminal neuropathy *R J Davenport, R G Will, P J Galloway*

381 Spinal intrathecal baclofen suppresses central pain after a stroke *T Taira, T Tanikawa, H Kawamura, H Iseki, K Takakura*

382 Effect of immobilisation on position and movement sense of the knee *A Swinkels, C D Ward, J Bagust*

383 Worsening of myasthenia gravis on treatment with imipenem/cilastatin *J O'Riordan, M Javed, C Doherty, M Hutchinson*

383 Acceptability of electroconvulsive therapy to patients with Parkinson's disease *K Ismail, R Howard, S Lovestone*

384 Case report: dysphagia and sleep apnoea associated with cervical osteophytes due to diffuse idiopathic skeletal hyperostosis (DISH) *T A T Hughes, C M Wiles, B W Lawrie, A P Smith*

384 Horologagnosia: an impairment of the ability to tell the time *L D Kartsounis, H Crewes*

385 The coin-in-the-hand test: a new "bedside" test for the detection of malingering in patients with suspected memory disorder *N Kapur*

Proceedings

387 Meeting of the Society of British Neurological Surgeons, 3–6 November 1993

Neurological stamp

263 Marie François Xavier Bichat (1771–1802) *L F Haas*

Neurology in literature

284 Hemifacial spasm *G D Perkin*

Miscellanea

396 Matters arising · Notices · Book reviews · Short notices

No 4 APRIL 1994

Neurological controversy

401 Drug treatment of Parkinson's disease: is "polypharmacy" best? *P D Swanson*

Neurological picture

404 Spontaneous migration of airgun pellet in the brain *E P Guazzo*

Neurological management

405 Meningitis *H P Lambert*

Consensus statement

416 Clinical and neuropathological criteria for frontotemporal dementia *The Lund and Manchester Groups*

Papers

419 β Amyloid protein deposition in the brain after severe head injury: implications for the pathogenesis of Alzheimer's disease *G W Roberts, S M Gentleman, A Lynch, L Murray, M Landon, D I Graham*

426 Localisation and characterisation of dystrophin in the central nervous system of controls and patients with Duchenne muscular dystrophy *M Uchino, H Teramoto, H Naoe, K Yoshioka, T Miike, M Ando*

430 Motor response to levodopa in patients with parkinsonian motor fluctuations: a follow-up study over three years *A J Hughes, J P Frankel, P A Kempster, G M Stern, A J Lees*

435 Intracerebral propagation of interictal activity in partial epilepsy: implications for source localisation *G Alarcon, C N Guy, C D Binnie, S R Walker, R D C Elwes, C E Polkey*

450 Motor neuron disease in a defined English population: estimates of incidence and mortality *G Dean, M Quigley, M Goldacre*

455 The nature of apraxia in corticobasal degeneration *R Leiguarda, A J Lees, M Merello, S Starkstein, C D Marsden*

460 Lessons from a remarkable family with dopa-responsive dystonia *G Harwood, R Hierons, N A Fletcher, C D Marsden*

464 Anatomical correlates of visual and tactile extinction in humans: a clinical CT scan study *G Vallar, M L Rusconi, L Bignamini, G Geminiani, D Perani*

471 Leptomeningeal gliomatosis *B Ashworth, A Gordon*

474 Clinical correlates of postmortem brain changes in schizophrenia: decreased brain weight and length correlate with indices of early impairment *E C Johnstone, C J Bruton, T J Crow, C D Frith, D G C Owens*

480 Neuropsychological changes related to unilateral lenticulostriate infarcts *O Godefroy, M Rousseaux, J P Pruvo, M Cabaret, D Leys*

486 Common whiplash: psychosomatic or somatopsychic? *B P Radanov, G Di Stefano, A Schnidrig, M Sturzenegger*

491 British Isles survey of multiple sclerosis in twins: MRI *J W Thorpe, C J Mumford, D A S Compston, B E Kendall, D G MacManus, W I McDonald, D H Miller*

Short report

497 Familial clustering of multiple sclerosis in a northern Swedish rural district *M Binzer, L Forsgren, G Holmgren, U Drugge, S Fredrikson*

Lesson of the month

500 Delayed symptoms and death after minor head trauma with occult vertebral artery injury *R N Auer, J Krcek, J C Butt*

Letters

503 Carbamazepine in the treatment of generalised tonic clonic seizures in juvenile myoclonic epilepsy *C Knott, C P Panayiotopoulos*

503 Intracranial chordoma with a novel symptom *S G Keohane, I F Pye*

504 Locked-in syndrome in fulminant demyelinating disease *S B Blunt, J Boulton, R Wise, C Kennard, P D Lewis*

505 Spontaneous ejaculation secondary to spinal cord disease *S Mossman, R Kapoor, C J Fowler*

506 Abnormal evoked potentials in Miller-Fisher syndrome: further evidence of combined peripheral and central demyelination *H Goldberg-Stern, E Melamed, N Gadoth*

506 Transient sixth-nerve palsy as the first presentation of acute leukaemia *L Averbuch-Heller, S Gillis, T Ben-Hur*

Proceedings

507 Meeting of the Association of British Neurologists, London, 5–6 September 1991

Neurological stamp

403 Pierre Fidèle Bretonneau (1778–1862) *L F Haas*

Neurology in literature

454 Neurosyphilis *G D Perkin*

Miscellanea

525 Matters arising · Notices

525 Book reviews

528 Correction

No 5 MAY 1994

Editorial

529 Archie Cochrane's challenge: can periodically updated reviews of all randomised controlled trials relevant to neurology and neurosurgery be produced? *C E Counsell, H Fraser, P A G Sandercock*

Neurological management

534 Stroke and transient ischaemic attacks *P Humphrey*

Papers

544 Autoimmune T cell repertoire in optic neuritis and multiple sclerosis: T cells recognising multiple myelin proteins are accumulated in cerebrospinal fluid *M Söderström, H Link, J-B Sun, S Fredrickson, Z-Y Wang, W-X Huang*

552 Carbohydrate-deficient glycoprotein syndrome: clinical expression in adults with a new metabolic disease *H Stibler, G Blennow, B Kristiansson, H Lindehammer, B Hagberg*

557 Platelet secretion from dense and α-granules in vitro in migraine with or without aura *G D'Andrea, L Hasselmark, M Alecci, A Cananzi, F Perini, K M A Welch*

562 Motor response to apomorphine and levodopa in asymmetric Parkinson's disease *M Rodriguez, G Lera, J Vaamonde, M R Luquin, J A Obeso*

567 Normal activation of the supplementary motor area in patients with Parkinson's disease undergoing long-term treatment with levodopa *O Rascol, U Sabatini, F Chollet, N Fabre, J M Senard, J L Montastruc, P Celsis, J P Marc-Vergnes, A Rascol*

572 Peripheral and central conduction studies in neurolathyrism *U K Misra, V P Sharma*

578 Immunoadsorption therapy for myasthenia gravis *N Shibuya, T Sato, M Osame, T Takegami, S Doi, S Kawanami*

582 Management of severe spasticity with intrathecal baclofen delivered by a manually operated pump *V Patterson, M Watt, D Byrnes, D Crowe, A Lee*

586 MELAS syndrome with mitochondrial $tRNA^{Leu(UUR)}$ gene mutation in a Chinese family *C-C Huang, R-S Chen, C-M Chen, H-S Wang, C-C Lee, C-Y Pang, H-S Hsu, H-C Lee, Y-H Wei*

590 Hippocampal atrophy correlates with severe cognitive impairment in elderly patients with suspected normal pressure hydrocephalus *J Golomb, M J de Leon, A E George, A Kluger, A Convit, H Rusinek, S de Santi, A Litt, S H Foo, S H Ferris*

594 Diffuse neurofibrillary tangles with calcification: a new presenile dementia *K Kosaka*

597 Residual rightward attentional bias after apparent recovery from right hemisphere damage: implications for a multicomponent model of neglect *J B Mattingley, J L Bradshaw, J A Bradshaw, N C Nettleton*

605 Semantic memory and frontal executive function during transient global amnesia *J R Hodges*

609 Naming difficulties in alexia with agraphia for kanji after left posterior inferior temporal lesion *Y Sakurai, K Sakai, M Sakuta, M Iwata*

614 Neuropsychological findings in a non-clinical sample of workers exposed to solvents *I Reinvang, H M Borchgrevink, O Aaserud, V Lie, U F Malt, P Nakstad, P G Larsson, L Gjerstad*

617 Chronic fatigue syndrome: a follow up study *D Bonner, M Ron, T Chalder, S Butler, S Wessely*

Short reports

622 Are brief or recurrent transient global amnesias of epileptic origin? *T P Melo, J M Ferro, T Paiva*

626 Daytime sleep in myotonic dystrophy is not caused by sleep apnoea *F G A van der Meché, J M Bogaard, J C M van der Sluys, R J Schimsheimer, C C M Ververs, H F M Busch*

629 Infarction of the unilateral posterior horn and lateral column of the spinal cord with sparing of posterior columns: demonstration by MRI *M Kaneki, K Inoue, T Shimizu, T Mannen*

632 Surface EMG and muscle fibre conduction during attacks of hypokalaemic periodic paralysis *T P Links, J H van der Hoeven, M J Zwarts*

635 Idiopathic AA amyloidosis manifested by autonomic neuropathy, vestibulocochleopathy, and lattice corneal dystrophy *I Tsunoda, H Awano, H Kayama, T Tsukamoto, S Ueno, T Fujiwara, M Watanabe, T Yamamoto*

638 Anticentriolar autoantibodies in children with central nervous system manifestations of *Mycoplasma pneumoniae* infection *N Cimolai, D Mah, E Roland*

640 Benign neurogenic amyotrophy in Klinefelter's syndrome *S Matsubara, M Yoshino, M Takamori*

643 Amnesic syndrome after theophylline associated seizures: iatrogenic brain injury *J I O'Riordan, J Hutchinson, M X FitzGerald, M Hutchinson*

646 Haemorrhage associated with silastic dural substitute *D Thompson, W Taylor, R Hayward*

649 Alphabetical paragraphia in a limited middle cerebral artery stroke *M Catala, B Fontaine, G Rancurel*

652 Impaired stereoacuity due to a lesion in the left pulvinar *Y Takayama, M Sugishita, T Kido, M Ogawa, H Fukuyama, I Akiguchi*

Lesson of the month

655 Congenital protein C deficiency and superior sagittal sinus thrombosis causing isolated intracranial hypertension *C Confavreux, P Brunet, P Petiot, M Berruyer, M Trillet, G Aimard*

Letters

658 Dystonia-parkinsonism syndrome resulting from a bullet injury in the midbrain *P Rondot, N Bathien, J de Recondo, B Gueguen, D Fredy, A de Recondo, Y Samson*

659 The use of botulinum toxin to treat "striatal" toes *N Giladi, J Meer, S Honigman*

659 Direct evidence for limited clonality of antibodies to glutamic acid decarboxylase (GAD) in stiff man syndrome using baculovirus expressed GAD *A P Johnstone, S S Nussey*

659 Non-ischaemic causes of transient ischaemic attacks and minor strokes *M Garcia-Escrig, A Perez-Sempere, L Calandre, F Villaverde, M de la Fuente, E Claveria*

660 Sumatriptan and giant cell arteritis *P J Goadsby*

660 Isolated lingual myoclonus associated with an Arnold-Chiari malformation *J Kulisevsky, A Avila, J M Grau-Veciana*

661 Ankylosing spondylitis associated with myositis *M Waragai, H Shinotoh*

662 Incorrect diagnosis of myotonic dystrophy and its potential consequences revealed by subsequent direct genetic analysis *P R J Barnes, D Hilton-Jones, G Norbury, A Roberts, S M Huson*

Neurological stamp

533 René Théophile Hyacinthe Laënnec (1781–1826) *L F Haas*

Neurology in literature

631 Epilepsy

Miscellanea

662 Matters arising

664 Book reviews

666 Corrections

No 6 JUNE 1994

Editorial

667 Economic change and health service reform: likely impact on teaching, practice, and research in neurology *A Hopkins*

Neurological management

672 Parkinson's disease *C D Marsden*

Papers

682 A multicentre comparative trial of sodium valproate and carbamazepine in adult onset epilepsy *A Richens, D L W Davidson, N E F Cartlidge, D J Easter*

688 PET studies of the presynaptic and postsynaptic dopaminergic system in Tourette's syndrome *N Turjanski, G V Sawle, E D Playford, R Weeks, A A Lammerstma, A J Lees, D J Brooks*

693 Sensory neuropathy in hereditary spastic paraplegia *W Schady, C M L Smith*

699 Association of Lhermitte-Duclos and Cowden disease: report of a new case and review of the literature *M Vinchon, S Blond, J P Lejeune, I Krivosik, P Fossati, R Assaker, J L Christiaens*

705 Antibiotic induced meningitis *Y River, L Averbuch-Heller, M Weinberger, Z Meiner, D Mevorach, I Schlesinger, Z Argov*

709 Minor head injury: pathophysiological or iatrogenic sequelae? *F Newcombe, P Rabbitt, M Briggs*

717 Jugular venous desaturation and outcome after head injury *S P Gopinath, C S Robertson, C F Contant, C Hayes, Z Feldman, R K Narayan, R G Grossman*

724 Diagnostic imaging algorithm for cervical soft disc herniation *E Van de Kelft, M van Vyve*

729 Singie photon emission computed tomography in long term survivors of adult brain tumours *K P Ebmeier, K Booker, A Gregor, A Cull, N Dougall, R Sellar, G M Goodwin*

Short reports

734 Long term prognosis of transient lone bilateral blindness in adolescents and young adults *S Bower, M Dennis, C Warlow, N Jordan, H Sagar*

737 Long term follow up of dorsal root entry zone lesions in brachial plexus avulsion *D G T Thomas, N D Kitchen*

739 Micrographia associated with a parietal lobe lesion in multiple sclerosis *N J Scolding, A J Lees*

742 Isolated hemiataxia after supratentorial brain infarction *G-J Luijckx, J Boiten, J Lodder, L Heuts-van Raak, J Wilmink*

745 Pure autonomic failure: a new case with clinical, biochemical, and necropsy data *E van Ingelghem, M van Zandijcke, M Lammens*

748 Hemiballism-hemichorea and non-ketotic hyperglycaemia *J-J Lin, M-K Chang*

751 ALκ amyloid in a solitary extradural lymphoma *D M Vigushin, P N Hawkins, J J Hsuan, N F Totty, M B Pepys*

755 Thecoperitoneal shunt for post-traumatic syringomyelia *J Vassilouthis, A Papandreou, S Anagnostaras*

757 Transmission of Creutzfeldt-Jakob disease to a chimpanzee by electrodes contaminated during neurosurgery *C J Gibbs Jr, D M Asher, A Kobrine, H L Amyx, M P Sulima, D C Gajdusek*

Lesson of the month

759 X-linked adrenoleukodystrophy with non-diagnostic plasma very long chain fatty acids *C R Kennedy, J T Allen, A H Fensom, S J Steinberg, R Wilson*

Letters

762 Familial Pick's disease and dementia in frontal lobe degeneration of non-Alzheimer type are not variants of prion disease *J Collinge, M S Palmer, K C L Sidle, S P Mahal, T Campbell, J Brown, J Hardy, A E Brun, L Gustafson, E Bakker, R Roos, J J Groen*

762 Acute neuromuscular respiratory paralysis *C E G Moore, E C Wheatley, M F Jefferson, D I Shepherd*

763 SPECT and MRI findings in Sydenham's chorea *A Hill, G K Herkes, P Roche*

763 Paraneoplastic opsoclonus-myoclonus syndrome in metastatic ovarian carcinoma *J Scholz, P Vieregge, C Ruff*

764 Cervical radiculopathy and bilateral internuclear ophthalmoplegia caused by temporal arteritis *T A T Hughes, C M Wiles, M Hourihan*

765 Methylenetetrahydrofolate reductase deficiency revealed by a neuropathy in a psychotic adult *F Pasquier, F Lebert, H Petit, J Zittoun, J Marquet*

766 Transcallosal intraventricular tumour excision, alcohol abuse, and amnestic syndrome: a case study *L Laatsch, D Hartman, J Stone*

767 Isolated aneurysm of a spinal radicular artery presenting as spinal subarachnoid haemorrhage *I Mohsenipour, M Ortler, K Twerdy, E Schmutzhard, G Attlmayr, F Aichner*

Neurological stamp

692 François Magendie (1783–1855) *L F Haas*

Neurology in literature

741 Amnesia *G D Perkin*

Miscellanea

768 Matters arising · Notice

771 Book reviews

772 Correction

No 7 JULY 1994

Editorial

773 Pathophysiology of spasticity *P Brown*

Papers

778 Pure motor demyelinating neuropathy: deterioration after steroid treatment and improvement with intravenous immunoglobulin *M Donaghy, K R Mills, S J Boniface, J Simmons, I Wright, N Gregson, J Jacobs*

784 Cerebrospinal fluid HIV-1 p24 antigen and culture: sensitivity and specificity for AIDS–dementia complex *B J Brew, M O Paul, G Nakajima, A Khan, H Gallardo, R W Price*

790 Specificity of changes in cerebral blood flow in patients with frontal lobe dementia *S E Starkstein, R Migliorelli, A Tesón, L Sabe, S Vázquez, M Turjanski, R G Robinson, R Leiguarda*

797 In vivo demonstration of altered benzodiazepine receptor density in patients with generalised epilepsy *I Savic, S Pauli, J-O Thorell, G Blomqvist*

805 Relation of anosognosia to frontal lobe dysfunction in Alzheimer's disease *A Michon, B Deweer, B Pillon, Y Agid, B Dubois*

810 October 1942: a strange epidemic paralysis in Saval, Verona, Italy. Revision and diagnosis 50 years later of tri-ortho-cresyl phosphate poisoning *L Tosi, C Righetti, L Adami, G Zanette*

814 Role of impaired CO_2 reactivity in the diagnosis of cerebral low flow infarcts *R W Baumgartner, M Regard*

818 Visual information processing after severe closed head injury: effects of forward and backward masking *A J Mattson, H S Levin, B G Breitmeyer*

825 Handicap one year after a stroke: validity of a new scale *R H Harwood, P Gompertz, S Ebrahim*

Short reports

830 Nystagmus as the presentation of tentorial incisure subdural haematoma *E Ashkenazi, S Pomeranz*

832 Saccadic dysmetria and "intact" smooth pursuit eye movements after bilateral deep cerebellar nuclei lesions *U Büttner, A Straube, A Spuler*

835 Complex partial status epilepticus: a recurrent problem *O C Cockerell, M C Walker, J W A S Sander, S D Shorvon*

838 Heautoscopy, epilepsy, and suicide *P Brugger, R Agosti, M Regard, H-G Wieser, T Landis*

840 Clinical evaluation of plasma exchange and high dose intravenous immunoglobulin in a patient with Isaacs' syndrome *A Ishii, A Hayashi, N Ohkoshi, E Oguni, M Maeda, Y Ueda, K Ishii, K Arasaki, H Mizusawa, S Shoji*

843 Ryanodine receptor antibodies related to severity of thymoma associated myasthenia gravis *Å Mygland, J A Aarli, R Matre, N E Gilhus*

847 Benign intracranial hypertension: a cause of CSF rhinorrhoea *D Clark, P Bullock, T Hui, J Firth*

850 Visually induced central pain and arm withdrawal after right parietal lobe infarction *T U Hoogenraad, L M P Ramos, J van Gijn*

853 Stimulus induced behaviours in Tourette's syndrome *V Eapen, J Moriarty, M M Robertson*

856 Enhanced physical therapy for arm function after stroke: a one year follow up study *A Sunderland, D Fletcher, L Bradley, D Tinson, R Langton Hewer, D T Wade*

859 Increased concentration of C4d complement protein in CSF in amyotrophic lateral sclerosis *Y Tsuboi, T Yamada*

862 Transient memory loss for people *N Kapur, H Katifi, H El-Zawawi, M Sedgwick, S Barker*

Lesson of the month

865 Jarisch-Herxheimer reaction in a patient with neurosyphilis *U Zifko, K Lindner, D Wimberger, B Volc, W Grisold*

Letters

868 Familial recurrent multiple cranial nerve palsies *A Watters, M J Macdonald*

868 Wallenberg's syndrome with delayed onset after cervical spine fracture: a case report *A Curt, V Dietz*

869 Herpes simplex virus type 2 ascending myeloradiculitis: MRI findings and rapid diagnosis by the polymerase chain method *E Ellie, F Rozenberg, V Dousset, M Beylot-Barry*

870 Peduncular hallucinosis and right hemi-parkinsonism caused by left mesencephalic infarction *R de la Fuente Fernandez, J Marey Lopez, P Rey del Corral, F de la Iglesia Martinez*

870 Intraneural ganglion of the sciatic nerve: detection by ultrasound *C J G Lang, U Neubauer, S Qaiyumi, R Fahlbusch*

871 Familial Parkinson's disease and polymorphism at the CYP2D6 locus *P Mazzetti, E Le Guern, A-M Bonnet, M Vidailhet, A Brice, Y Agid*

872 A case of Creutzfeldt-Jakob disease presenting with cortical deafness *E Tobias, C Mann, I Bone, R de Silva, J Ironside*

873 Late recurrence of craniopharyngioma in the cerebellopontine angle in a fertile woman *C Keohane, M Hally, D Q Ryder, T F Buckley*

Neurological stamp

777 Jan Evangelista Purkinje (1787–1869) *L F Haas*

Neurology in literature

789 Vasovagal attacks *G D Perkin*

Miscellanea

874 Matters arising · Notices

875 Book reviews

Corrections

877 Unilateral asterixis due to a lesion of the ventrolateral thalamus *R Stell, S Davis, W M Carroll*

No 8 AUGUST 1994

Editorial

881 A pathophysiological approach to saccadic eye movements in neurological and psychiatric disease *C Kennard, T J Crawford, L Henderson*

Neurological management

886 Motor neuron disease *P N Leigh, K Ray-Chaudhuri*

Consensus

897 Cerebrospinal fluid in the diagnosis of multiple sclerosis: a consensus report *M Andersson, J Alvarez-Cermeño, G Bernardi, I Cogato, P Fredman, J Frederiksen, S Fredrikson, P Gallo, L M Grimaldi, M Grønning, G Keir, K Lamers, H Link, A Magalhães, AR Massaro, S Öhman, H Reiber, L Rönnbäck, M Schluep, E Schuller, C J M Sindic, E J Thompson, M Trojano, U Wurster*

Papers

903 The Sydney multicentre study of Parkinson's disease: a randomised, prospective five year study comparing low dose bromocriptine with low dose levodopa-carbidopa *M A Hely, J G L Morris, W G J Reid, D J O'Sullivan, P M Williamson, D Rail, G A Broe, S Margrie*

911 Debrisoquine hydroxylase gene polymorphism in familial Parkinson's disease *V Planté-Bordeneuve, M B Davis, D M Maraganore, C D Marsden, A E Harding*

914 Subcortical laminar heterotopia and lissencephaly in two families: a single X linked dominant gene *J-M Pinard, J Motte, C Chiron, R Brian, E Andermann, O Dulac*

921 Vigabatrin and lamotrigine in refractory epilepsy *I Stolarek, J Blacklaw, G Forrest, M J Brodie*

925 Video game induced seizures *C D Ferrie, P De Marco, R A Grünewald, S Giannakodimos, C P Panayiotopoulos*

932 Predicting stroke outcome: Guy's prognostic score in practice *P Gompertz, P Pound, S Ebrahim*

936 Spectrum of primary intracerebral haemorrhage in Perth, Western Australia, 1989–90: incidence and outcome *C S Anderson, T M H Chakera, E G Stewart-Wynne, K D Jamrozik*

941 Sensory conduction study in chronic sensory ataxic neuropathy *T Kachi, G Sobue, M Yamamoto, A Igata*

945 Hemiballism: report of 25 cases *A Vidaković, N Dragašević, V S Kostić*

950 Surgical treatment of brain metastases of lung cancer: retrospective analysis of 89 cases *H Nakagawa, Y Miyawaki, T Fujita, S Kubo, K Tokiyoshi, K Tsuruzono, K Kodama, M Higashiyama, O Doi, T Hayakawa*

957 Role of stereotactic biopsy in multifocal brain lesions: considerations on 100 consecutive cases *A Franzini, F Leocata, C Giorgi, A Allegranza, D Servello, G Broggi*

961 Neurobehavioural consequences of closed head injury in older adults *F C Goldstein, H S Levin, R M Presley, J Searcy, A R T Colohan, H M Eisenberg, B Jann, L Bertolino-Kusnerik*

967 The earliest cognitive change in an individual with familial Alzheimer's disease: presymptomatic neuropsychological features in a pedigree with familial Alzheimer's disease confirmed at necropsy *S K Newman, E K Warrington, A M Kennedy, M N Rossor*

Short reports

973 Congenital insensitivity to pain: a 20 year follow up *A J Larner, J Moss, M L Rossi, Milne Anderson*

975 Absence of Epstein-Barr virus RNA in multiple sclerosis as assessed by in situ hybridisation *D A Hilton, S Love, A Fletcher, J H Pringle*

977 Late onset Friedreich's disease: clinical features and mapping of mutation to the FRDA locus *G De Michele, A Filla, F Cavalcanti, L Di Maio, L Pianese, I Castaldo, O Calabrese, A Monticelli, S Varrone, G Campanella, M Leone, M Pandolfo, S Cocozza*

980 Multifocal eosinophilic granuloma presenting as progressive brainstem and cerebellar dysfunction *T Fukazawa, T Yanagihara, K Hamada, T Hamada*

983 Peripheral neuropathy associated with primary Sjögren's syndrome *F Gemignani, A Marbini, G Pavesi, S Di Vittorio, P Manganelli, G Cenacchi, D Mancia*

987 Rest tremor and extrapyramidal symptoms after midbrain haemorrhage: clinical and ^{18}F-dopa PET evaluation *G-L Defer, P Remy, D Malapert, F Ricolfi, Y Samson, J-D Degos*

990 Extradural application of bismuth iodoform paraffin paste causing relapsing bismuth encephalopathy: a case report with CT and MRI studies *R R Sharma, I P Cast, R M Redfern, C O'Brien*

994 Cortical and subcortical JC virus infection: two unusual cases of AIDS associated progressive multifocal leukoencephalopathy *B J Sweeney, H Manji, R F Miller, M J G Harrison, F Gray, F Scaravilli*

998 Apomorphine induced cognitive changes in Parkinson's disease *E Růžička, J Roth, N Špačková, P Mečíř, R Jech*

1002 Transient epileptic amnesia differentiated from psychogenic "fugue": neuropsychological, EEG, and PET findings *M D Kopelman, C P Panayiotopoulos, P Lewis*

Lesson of the month

1006 Tetanus: delay in diagnosis in England and Wales *F Schon, L O'Dowd, J White, N Begg*

Letters

1008 Pulsed intravenous methylprednisolone combined with oral steroids as the initial treatment of inflammatory myopathies *S Matsubara, Y Sawa, M Takamori, H Yokoyama, H Kida*

1008 Familial inflammatory demyelinating polyneuropathy: a Guillain-Barré syndrome variant without autoimmune predilection *I Korn-Lubetzki, I Steiner, T Brenner, C Brautbar, Z Argov*

1009 Peripheral neuropathy in association with insulinoma: clinical features and neuropathology of a new case *M Tintoré, J Montalbán, C Cervera, A Codina, I Royo, J Crespo, C Navarro*

1010 Trigeminal neuralgia due to contralateral meningioma of the posterior cranial fossa *G Mase, M Zorzon, L Capus, E Biasutti, B Vitrani, G Cazzato*

1010 Panhypopituitarism after cavernous sinus thrombosis *R K H Petty, J Wardlaw, P G E Kennedy, B O'Reilly, R McFadzean, R A Johnson, D L Davies,*

1011 Olfactory disturbances as the initial or most prominent symptom of multiple sclerosis *C S Constantinescu, E C Raps, J A Cohen, S E West, R L Doty*

1012 Change in the concentrations of amino acids in cisternal CSF of patients with essential tremor *J Málly, M Baranyi*

1013 Persistent hemiballism in Parkinson's disease *R Inzelberg, A D Korczyn*

1014 Brain glucose utilisation in a patient with "athymhormia" from a family with autosomal dominant parkinsonism and psychic disturbances *F Le Doze, J-C Baron, R-M Marie, F Eustache, B Lechevalier, C Schupp, J-M Travere, M-C Petit-Taboue*

1015 Visual rating of hippocampal atrophy: correlation with volumetry *P Vermersch, D Leys, P Scheltens, F Barkhof*

1015 Serum concentrations of 2',5'-oligoadenylate synthetase, neopterin, and β-glucan in patients with chronic fatigue syndrome and in patients with major depression *J Matsuda, K Gohchi, N Gotoh*

Proceedings

1017 Winter Meeting of the British Neuropsychiatric Association, London, 21 January 1994

Neurological stamp

885 Alexander Ypsilante (1792–1832) *L F Haas*

Neurology in literature

1004 Conversion hysteria/malingering

Miscellanea

1018 Matters arising · Notice

1019 Book reviews

No 9 SEPTEMBER 1994

Editorial

1021 Three decades of normal pressure hydrocephalus: are we wiser now? *J A L Vanneste*

Papers

1026 CSF concentration gradients of monoamine metabolites in patients with hydrocephalus *J Malm, B Kristensen, J Ekstedt, P Wester*

1034 A randomised controlled study comparing bromocriptine to which levodopa was later added, with levodopa alone in previously untreated patients with Parkinson's disease: a five year follow up *J L Montastruc, O Rascol, J M Senard, A Rascol*

1039 Loss of non-phosphorylated neurofilament immunoreactivity, with preservation of tyrosine hydroxylase, in surviving substantia nigra neurons in Parkinson's disease *W P Gai, J C Vickers, P C Blumbergs, W W Blessing*

1047 Multiple system atrophy: natural history, MRI morphology, and dopamine receptor imaging with ^{123}IBZM-SPECT *J B Schulz, T Klockgether, D Petersen, M Jauch, W Müller-Schauenburg, S Spieker, K Voigt, J Dichgans*

1057 Effects of vigabatrin on partial seizures and cognitive function *R A Grünewald, P J Thompson, R Corcoran, Z Corden, G D Jackson, J S Duncan*

1064 Multiple sclerosis in black South Africans and Zimbabweans *G Dean, A I G Bhigjee, P L A Bill, V Fritz, I C Chikanza, J E P Thomas, L F Levy, D Saffer*

1070 Benign form of multiple sclerosis: MRI evidence for less frequent and less inflammatory disease activity *D Kidd, A J Thompson, B E Kendall, D H Miller, W I McDonald*

1073 Infarcts in the territory of the lateral branch of the posterior inferior cerebellar artery *A Barth, J Bogousslavsky, F Regli*

1077 Dysaesthesiae induced by physiological and electrical activation of posterior column afferents after stroke *W J Triggs, A Berić*

1081 Visually and memory guided saccades in a case of cerebellar saccadic dysmetria *R Kanayama, A M Bronstein, J Shallo-Hoffmann, P Rudge, M Husain*

1085 Preserved leftward movement in left unilateral spatial neglect due to frontal lesions *S Ishiai, S Watabiki, E Lee, T Kanouchi, N Odajima*

1091 Accidental transmission of Creutzfeldt-Jakob disease by dural cadaveric grafts *J F Martínez-Lage, M Poza, J Sola, J G Tortosa, P Brown, L Cervenáková, J A Esteban, A Mendoza*

1095 Post-traumatic syringomyelia *M V Squier, R P Lehr*

1099 Amygdalar sclerosis: preoperative indicators and outcome after temporal lobectomy *L A Miller, R S McLachlan, M S Bouwer, L P Hudson, D G Munoz*

1106 Muscle strength, voluntary activation, twitch properties, and endurance in patients with fibromyalgia *J Nørregaard, P M Bülow, B Danneskiold-Samsøe*

Short reports

1112 New non-invasive rapid diagnosis of herpes simplex virus encephalitis by quantitative detection of intrathecal antigen with a chemiluminescence assay *S Kamei, T Tetsuka, T Takasu, K Shimizu*

1115 Focal necrotising herpes simplex encephalitis: a report of two cases with good clinical and neuropsychological outcomes *C E Counsell, R Taylor, I R Whittle*

1118 Tumour necrosis factor-α and other cytokines in Guillain-Barré syndrome *A R Exley, N Smith, J B Winer*

1121 Two species of antiganglioside antibodies in a patient with a pharyngeal-cervical-brachial variant of Guillain-Barré syndrome *K Mizoguchi, A Hase, T Obi, H Matsuoka, M Takatsu, Y Nishimura, F Irie, Y Seyama, Y Hirabayashi*

1124 Recurrent opticomyelitis associated with anti-DNA antibody *J Kira, I Goto*

1126 Initial enlargement of the opposite pupil as a false localising sign in intraparenchymal frontal haemorrhage *R Chen, R Sahjpaul, R F Del Maestro, L Assis, G B Young*

1129 Right hemisphere learning disability associated with left hemisphere dysfunction: anomalous dominance and development *T A Sandson, D S Manoach, B H Price, D Rentz, S Weintraub*

Lesson of the month

1133 Acute arsenic poisoning: absence of polyneuropathy after treatment with 2,3-dimercaptopropanesulphonate (DMPS) *D F Moore, C A O'Callaghan, G Berlyne, C S Ogg, H Alban Davies, I M House, J A Henry*

Letters

1136 British neurology: a national focus *A H V Schapira, C D Marsden*

1136 A unique case of dystrophinopathy *F Dworzak, M Mora, L Morandi, P Bernasconi, F Cornelio, D Ripamonti*

1137 An "n-of-1" trial of intravenous immunoglobulin treatment for chronic inflammatory demyelinating polyneuropathy *G J Hankey, A A M Todd, P L Yap, C P Warlow*

1137 Peripheral neuropathy associated with dialysis amyloidosis *S Ono, T Momose, T Arai, M Kaneko, K Koide, K Nagao*

1138 Subacute cerebellar degeneration and Lambert-Eaton myasthenic syndrome associated with antibodies to voltage-gated calcium channels: differential effect of immunosuppressive therapy on central and peripheral defects *J M Goldstein, S G Waxman, T L Vollmer, B Lang, I Johnston, J Newsom-Davis*

1139 Benign thalamic cyst presenting with contralateral postural tremor *V Rajshekhar*

1140 MRI of neuromyelitis optica: evidence for a distinct entity *F Fazekas, H Offenbacher, R Schmidt, S Strasser-Fuchs*

1142 Ischaemic optic neuropathy, transverse myelitis, and epilepsy in an anti-phospholipid positive patient with systemic lupus erythematosus *M F Cordeiro, M E Lloyd, D J Spalton, G R V Hughes*

1143 Cocaine induced chronic tics *E Attig, R Amyot, T Botez*

1144 "Ease of falling" syndrome associated with subdural haematoma *G M Wali*

1145 Spinal cord compression secondary to a thoracic meningeal cyst after subarachnoid haemorrhage: a case report *J Hardman, G Neil-Dwyer*

1146 Bilateral chronic subdural haematoma: an unusual presentation with isolated oculomotor nerve palsy *G Phookan, M Cameron*

1146 Intrathecal baclofen pump infection treated by adjunct intrareservoir antibiotic instillation *M Samuel, G T Finnerty, P Rudge*

Proceedings

1148 124th Meeting of the Society of British Neurological Surgeons, Royal London Hospital, 21–22 April 1994

Neurological stamp

1025 Charles Babbage (1792–1871) *L F Haas*

Neurology in literature

1069 Neuralgia *G D Perkin*

Miscellanea

1157 Matters arising · Notice

1158 Book reviews

No 10 OCTOBER 1994

Editorial

1161 Somatisation in neurological practice *M A Ron*

Neurological picture

1165 Opiate receptors in the brain *S W G Derbyshire, A K P Jones*

Papers

1166 Cerebral responses to pain in patients with atypical facial pain measured by positron emission tomography *S W G Derbyshire, A K P Jones, P Devani, K J Friston, C Feinmann, M Harris, S Pearce, J D G Watson, R S J Frackowiak*

1173 Validation of a clinical classification for subtypes of acute cerebral infarction *C S Anderson, B V Taylor, G J Hankey, E G Stewart-Wynne, K D Jamrozik*

1180 Prospective evaluation of cerebral angiography and computed tomography in cerebral haematoma *S F S Halpin, J A Britton, J V Byrne, A Clifton, G Hart, A Moore*

1187 Third occipital nerve headache: a prevalence study *S M Lord, L Barnsley, B J Wallis, N Bogduk*

1191 No linkage or association between multiple sclerosis and the myelin basic protein gene in affected sibling pairs *N W Wood, P Holmans, D Clayton, N Robertson, D A S Compston*

1195 Subependymal heterotopia: a distinct neuronal migration disorder associated with epilepsy *A A Raymond, D R Fish, J M Stevens, S M Sisodiya, N Alsanjari, S D Shorvon*

1203 Association between presenting motor symptoms and the risk of cognitive impairment in Parkinson's disease *M Viitanen, J A Mortimer, D D Webster*

1208 Precortical dysfunction of spatial and temporal visual processing in migraine *D M Coleston, E Chronicle, K H Ruddock, C Kennard*

1212 Tenascin in cerebrospinal fluid is a useful biomarker for the diagnosis of brain tumour *J Yoshida, T Wakabayashi, S Okamoto, S Kimura, K Washizu, K Kiyosawa, K Mokuno*

1216 Mesencephalic and third ventricle cysts: diagnosis and management in four cases *V Th Ramaekers, J Reul, V Siller, A Thron*

1221 Image guided audit of surgery for temporal lobe epilepsy *N D Kitchen, M J Cook, S D Shorvon, D R Fish, D G T Thomas*

1228 Horizontal visual motion modulates focal attention in left unilateral spatial neglect *J B Mattingley, J L Bradshaw, J A Bradshaw*

1236 Picturing unilateral spatial neglect: viewer versus object centred reference frames *A Chatterjee*

1241 Conduction apraxia *C Ochipa, L J Gonzalez Rothi, K M Heilman*

Short reports

1245 Familial anaplastic ependymoma: evidence of loss of chromosome 22 in tumour cells *P C G Nijssen, R H Lekanne Deprez, C C Tijssen, A Hagemeijer, E P J Arnoldus, J L J M Teepen, R Holl, M F Niermeyer*

1249 Absence of disease related prion protein in neurodegenerative disorders presenting with Parkinson's syndrome *K Jendroska, O Hoffman, L Schelosky, A J Lees, W Poewe, S E Daniel*

1252 Reversible motor and sensory neurophysiological abnormalities in cauda equina claudication *I K Saadeh, L S Illis, A R Jamshidi Fard, P J Hughes, E M Sedgwick*

1255 Experience in the diagnosis of headaches that start in elderly people *J Pascual, J Berciano*

1258 Cyclosporin associated headache *M J Steiger, T Farrah, K Rolles, P Harvey, A K Burroughs*

1260 DNA analysis in Finnish patients with hereditary neuropathy with liability to pressure palsies (HNPP) *K Silander, P Halonen, R Sara, H Kalimo, B Falck, M-L Savontaus*

1263 Is acquired pendular nystagmus always phase locked? *J J S Barton*

1265 Effect of age at onset on frequency of depression in Parkinson's disease *V S Kostić, S R Filipović, D Lečić, D Momčilović, D Sokić, N Šternić*

1268 Visual hallucinations with written words in a case of left parietotemporal lesion *M Rousseaux, D Debrock, M Cabaret, M Steinling*

Letters

1272 Retrospective diagnosis of fatal herpes simplex myelitis by immunocytochemistry and polymerase chain reaction *C E Clarke, P M Crawford, A M T Clarke, D Dockey, L R Bridges*

1273 Wilson's disease: neurological and magnetic resonance imaging improvement on zinc treatment *J M Heckmann, R W Eastman, J C de Villiers, R Hewlett*

1274 Expression of androgen receptor in X-linked spinal and bulbar muscular atrophy and amyotrophic lateral sclerosis *A Ogata, T Matsuura, K Tashiro, F Moriwaka, T Demura, T Koyanagi, K Nagashima*

1275 Suppression of motor cortical excitability by electrical stimulation over the cerebellum in Fisher's syndrome *Y Ugawa, K Genba-Shimizu, I Kanazawa*

1276 Primary Sjögren's syndrome in chronic polyneuropathy presenting in middle or old age *J M Léger, P Bouche, P Cervera, J J Hauw*

1277 Reliability of clinical diagnosis of Huntington's disease *J Warner, L Barron, D St Clair, D Brock*

1277 Effect of sudden episodic intracranial hypertension on the electroencephalogram in a child with head injury *N M Kane, T J Germon, R J Nelson*

1278 Unusual presentation of a germ cell neoplasm *J Timothy, A Sofat, M Sharr, B Doshi*

1279 Intracranial fusiform aneurysms in von Recklinghausen's disease: case report and literature review *M G Benatar*

1280 Mills' syndrome: ascending (or descending) progressive hemiplegia: a hemiplegic form of primary lateral sclerosis? *J-L Gastaut, F Bartolemei*

1281 Separation of voluntary and limbic activation of facial and respiratory muscles in ventral pontine infarction *K Dawson, M D Hourihan, C M Wiles, J C Chawla*

1282 Screening for cognitive dysfunction in neurodegenerative illness *L McFadden, M Sampson, E Mohr*

1282 Role of the pulvinar in ideomotor praxis *J E Shuren, L M Maher, K M Heilman*
1283 Anomia for proper names after left thalamic infarct *L Cohen, F Bolgert, S Timsit, J F Chermann*

Proceedings
1285 Meeting of the Association of British Neurologists and Nederlandse Vereniging voor Neurologie, Aviemore, 4–6 May 1994

Neurological stamp
1164 Jacobus Ludovicus Shroeder van der Kolk (1797–1862) *L F Haas*

Neurology in literature
1179 The pupil *G D Perkin*
1300 Book reviews
1302 Correction

No 11 NOVEMBER 1994

Editorial
1303 Antiglycolipid antibodies in peripheral neuropathy: fact or fiction? *H J Willison*

Neurological investigations
1308 Electroencephalography *C D Binnie, P F Prior*

Neurological picture
1320 Localised autonomic failure due to botulinum toxin injection *A C Mann*

Papers
1321 Botulinum toxin treatment for lower limb extensor spasticity in chronic hemiparetic patients *S Hesse, D Lücke, M Malezic, C Bertelt, H Friedrich, M Gregoric, K H Mauritz*
1325 Reappraisal of Rasmussen's syndrome with special emphasis on treatment with high doses of steroids *D Chinchilla, O Dulac, O Robain, P Plouin, G Ponsot, J F Pinel, D Graber*
1334 Herpes simplex encephalitis: long term magnetic resonance imaging and neuropsychological profile *N Kapur, S Barker, E H Burrows, D Ellison, J Brice, L S Illis, K Scholey, C Colbourn, B Wilson, M Loates*
1343 Peroneal muscular atrophy with pyramidal tract features (hereditary motor and sensory neuropathy type V): a clinical, neurophysiological, and pathological study of a large kindred *J A Frith, J G McLeod, G A Nicholson, F Yang*
1347 Effect of white matter disease on functional connections in the aging brain *A F Leuchter, J J Dunkin, R B Lufkin, Y Anzai, I A Cook, T F Newton*
1355 Correlations between dose, plasma concentrations, and antispastic action of tizanidine (Sirdalud®) *M Emre, G C Leslie, C Muir, N J Part, R Pokorny, R C Roberts*
1360 Brain metabolism after recurrent insulin induced hypoglycaemic episodes: a PET study *H Chabriat, C Sachon, M Levasseur, A Grimaldi, S Pappata, D Rougemont, M C Masure, A De Recondo, Y Samson*
1366 Primary amnesia of insidious onset with subsequent stabilisation *F Lucchelli, E De Renzi, D Perani, F Fazio*
1371 Elementary visual hallucinations in migraine and epilepsy *C P Panayiotopoulos*
1375 Psychiatric morbidity after surgery for epilepsy: short term follow up of patients undergoing amygdalohippocampectomy *A S Naylor, B á Rogvi-Hansen, L Kessing, C Kruse-Larsen*
1382 Continuous monitoring of cortical perfusion by laser Doppler flowmetry in ventilated patients with head injury *P J Kirkpatrick, P Smielewski, M Czosnyka, J D Pickard*
1389 Initial letter and semantic category fluency in Alzheimer's disease, Huntington's disease, and progressive supranuclear palsy *A Rosser, J R Hodges*
1395 Proximal intentional neglect: a case study *Michael Gold, Jeffrey Shuren, Kenneth M Heilman*

Short reports
1401 Investigation of unilateral sensory or motor symptoms: frequency of neurological pathology depends on side of symptoms *P Rothwell*
1403 Multimodal electrophysiological studies including motor evoked potentials in patients with locked-in syndrome: report of six patients *C Bassetti, J Mathis, C W Hess*
1407 Computed tomographic evidence of cerebral swelling in benign intracranial hypertension *P M Rothwell, R J Gibson, R J Sellar*
1410 Spontaneous thrombosis of an arteriovenous malformation *E P Guazzo, J H Xuereb*
1414 Apolipoprotein E polymorphism in Japanese patients with Alzheimer's disease or vascular dementia *Jun Kawamata, Seigo Tanaka, Shun Shimohama, Kunihiro Ueda, Jun Kimura*
1417 Use of the hand held video camcorder in the evaluation of seizures *M Samuel, J S Duncan*
1419 Epileptic seizures in patients with acute catatonic syndrome *A Primavera, A Fonti, P Novello, G Roccatagliata, L Cocito*
1423 Transient topographical amnesia *A Stracciari, S Lorusso, P Pazzaglia*
1426 Optic nerve sheath decompression for the treatment of visual failure in chronic raised intracranial pressure *J F Acheson, W T Green, M D Sanders*
1430 Effectiveness of shunting in patients with normal pressure hydrocephalus predicted by temporary, controlled-resistance continuous lumbar drainage: a pilot study *I H Chen, C I Huang, H C Liu, K K Chen*
1433 Anterior spinal hernia: an increasingly recognised cause of thoracic cord dysfunction *B D White, J L Firth*

Letters
1436 Recurrent confusion and ataxia triggered by pyrexia in a case of occult multiple sclerosis *M C Lawden, S Blunt, T Matthews, R Peatfield, C Kennard*
1436 Hyperkalaemia mimicking acute Guillain-Barré syndrome *M Naumann, K Reiners, B Schalke, C Schneider*
1437 Botulinum toxin and sweating *K O Bushara, D M Park*

1438 Measures of medial temporal lobe atrophy in Alzheimer's disease *G B Frisoni, A Bianchetti, C Geroldi, M Trabucchi, A Beltramello, C Weiss*

1439 Reversible cortical oedema mimicking cortical dysplasia in mitochondrial disorder *I Tuxhorn, H Holthausen, A Ebner, S Noachtar*

1439 Absence of SCA1 mutation in idiopathic cerebellar ataxia *T Klockgether, K Bürk, J B Schulz, J Dichgans, K Wessel, G Auburger*

1440 Life threatening epilepsy in a child *T Kuroiwa, H Morita, H Tanabe, T Ohta*

1441 Atypical presentation of vascular events in pituitary tumours: "non-apoplectic" pituitary apoplexy *D Thompson, M Powell, O Foster*

1442 Excitotoxic amino acid neurotransmitters are increased in human cerebrospinal fluid after subarachnoid haemorrhage *S Kashiwagi, H Fujisawa, T Yamashita, H Ito, T Maekawa, Y Kuroda, A Tateishi*

1443 Incidence of internal carotid artery dissection in the community of Dijon *M Giroud, H Fayolle, N André, R Dumas, F Becker, D Martin, N Baudoin, D Krause*

Neurological stamp

1333 Pierre Joseph Pelletier (1788–1842) and Jean Bienaime Caventou (1795–1887) *L F Haas*

Neurology in literature

1413 Sleep disorders *G D Perkin*

Miscellanea

1444 Matters arising · Short notices

No 12 DECEMBER 1994

Editorial

1445 Growth factors: potential therapeutic applications in neurology *J Drago, T J Kilpatrick, S A Koblar, P S Talman*

Neurological management

1451 Management of neurological disorders: dementia *M N Rossor*

Neurological picture

1457 Cerebral amyloid angiopathy *D A Crooks*

Papers

1458 White matter magnetic resonance hyperintensities in dementia of the Alzheimer type: morphological and regional cerebral blood flow correlates *G Waldemar, P Christiansen, H B W Larsson, P Høgh, H Laursen, N A Lassen, O B Paulson*

1466 Comparison of magnetic resonance angiography, duplex ultrasound, and digital subtraction angiography in assessment of extracranial internal carotid artery stenosis *G R Young, P R D Humphrey, M D M Shaw, T E Nixon, E T S Smith*

1479 Cerebral glucose metabolism in neurofibromatosis type 1 assessed with [^{18}F]-2-fluoro-2-deoxy-D-glucose and PET *P Balestri, G Lucignani, A Fois, L Magliani, L Calistri, C Grana, R M Di Bartolo, D Perani, F Fazio*

1484 Radiological and neurophysiological changes in Japanese encephalitis *U K Misra, J Kalita, S K Jain, A Mathur*

1488 Presynaptic inhibition of soleus Ia afferent terminals in Parkinson's disease *R C Roberts, N J Part, R Farquhar, P Butchart*

1492 Brain and muscle energy metabolism studied in vivo by ^{31}P-magnetic resonance spectroscopy in NARP syndrome *R Lodi, P Montagna, S Iotti, P Zaniol, P Barboni, P Puddo, B Barbiroli*

1497 Gangliogliomas: clinical, radiological, and histopathological findings in 51 patients *J Zentner, H K Wolf, B Ostertun, A Hufnagel, M G Campos, L Solymosi, J Schramm*

1503 Extrapyramidalism in Alzheimer's disease: prevalence, psychiatric, and neuropsychological correlates *M Merello, L Sabe, A Teson, R Migliorelli, M Petracchi, R Leiguarda, S Starkstein*

1510 A neuropsychological instrument adding to the description of patients with suspected cortical dementia: the Milan overall dementia assessment *M Brazzelli, E Capitani, S Della Sala, H Spinnler, M Zuffi*

1518 Emotion-related learning in patients with social and emotional changes associated with frontal lobe damage *E T Rolls, J Hornak, D Wade, J McGrath*

Short reports

1525 Chronic idiopathic axonal polyneuropathy: a five year follow up *N C Notermans, J H J Wokke, Y van der Graaf, H Franssen, G W van Dijk, F G I Jennekens*

1528 Clinical and magnetic resonance imaging study of extrapyramidal symptoms in multiple system atrophy *M Konagaya, Y Konagaya, M Iida*

1532 Ability to modulate walking cadence remains intact in Parkinson's disease *M E Morris, R Iansek, T A Matyas, J J Summers*

1535 Optimisation of botulinum treatment for cervical and axial dystonias: experience with a Japanese type A toxin *T Mezaki, R Kaji, T Hamano, T Nagamine, H Shibasaki, T Shimizu, J Kimura*

1538 Click-evoked vestibular activation in the Tullio phenomenon *J G Colebatch, J C Rothwell, A Bronstein, H Ludman*

1541 A patient with one limb interstitial myositis with localised lipoatrophy presenting with severe cramps and fasciculations *A Créange, J-L Renard, P Millet, S Boisnic, D Felten, D Béquet, J-J Hauw*

1544 Vertebrobasilar dolichoectasia and exertional headache *I N Staikov, H P Mattle*

1544 Cholinergic supersensitivity of the iris in Alzheimer's disease *J Idiaquez, G Alvarez, R Villagra, R A San Martin*

1545 Rheumatic chorea and lupus anticoagulant *R de la Fuente Fernández*

1545 Acute peripheral neuropathy, rhabdomyolysis, and severe lactic acidosis associated with 3243 A to G mitochondrial DNA mutation *H Hara, Y Wakayama, Y Kouno, H Yamada, M Tanaka, T Ozawa*

1546 Papilloedema and visual failure in a patient with nocturnal hypoventilation *P J Kirkpatrick, T Meyer, N Sarkies, J D Pickard*

1547 Hemichorea reversible after operation in a boy with a cavernous angioma in the head of the caudate nucleus *H A Carpay, W F M Arts, A Kloet, P H Hoogland, S G van Duinen*

Neurological stamp

1465 Dorothea Lynde Dix (1802–87) *L F Haas*

Neurology in literature

1478 Essential tremor *G D Perkin*

Miscellanea

1548 Matters arising · Notice · Book reviews

Correction

1550 Motor neuron disease *P N Leigh, K Ray-Chaudhuri*

1551 List of assessors and reviewers

1554 Indexes to volume 57

Contents 1994

NOVEMBER SUPPLEMENT 1994

Gammaglobulin Treatment in Neurology—Fundaments and Clinical Applications

1 Foreword *B R F Lecky*

INTRODUCTION

2 Requirements for safety and quality of intravenous immunoglobulin G preparations *G H Rütter*

I FUNDAMENTALS

6 Immunomodulating effects of intravenous immunoglobulin in autoimmune and inflammatory diseases *S V Kaveri, L Mouthon, M D Kazatchkine*

9 Receptors for gammaglobulin in the central and peripheral nervous system *C Vedeler, E Ulvestad, H Nyland, R Matre, J A Aarli*

11 Intravenous immunoglobulin therapy in multiple sclerosis: progress from remyelination in the Theiler's virus model to a randomised, double-blind, placebo-controlled clinical trial *J H Noseworthy, P C O'Brien, B G M van Engelen, M Rodriguez*

II FROM FUNDAMENTALS TO CLINICAL APPLICATIONS

15 In vitro effects of polyvalent immunoglobulin for intravenous use *I N van Schaik, M Vermeulen, A Brand*

18 The impact of the intracerebral antibody response on the clinical course of a virus-induced demyelination in a rat model system *R Dörries, H Imrich, A Hein, S Czub, S Schwender*

21 Passage of intravenous immunoglobulin and interaction with the CNS *U Wurster, J Haas*

26 Gangliosides and autoimmune neuropathies: classification and clinical aspects of autoimmune neuropathies *A J Steck, L Kappos*

III CLINICAL APPLICATIONS: POLYNEUROPATHIES

29 The Guillain-Barré sydrome: plasma exchange or immunoglobulins intravenously *F G A van der Meché*

31 Clinical and neurophysiological assessment of immunoglobulin therapy in five patients with multifocal motor neuropathy *G Comi, S Amadio, G Galardi, R Fazio, R Nemni*

34 Intravenous immunoglobulin treatment in patients with chronic inflammatory demyelinating polyneuropathy *P A van Doorn*

39 Intravenous immunoglobulin treatment in patients with chronic inflammatory demyelinating neuropathy not responsive to other treatments *R Nemni, S Amadio, R Fazio, G Galardi, S Previtali, G Comi*

42 Human immunoglobulin treatment of multifocal motor neuropathy and polyneuropathy associated with monoclonal gammopathy *J M Leger, A B Younes-Chennoufi, B Chassande, G Davila, P Bouche, N Baumann, P Brunet*

III CLINICAL APPLICATIONS: NEUROMUSCULAR DISEASES

46 Intravenous gammaglobulin treatment in multiple sclerosis and experimental autoimmune encephalomyelitis: delineation of usage and mode of action *A Achiron, R Gilad, R Margalit, U Gabbay, I Sarova-Pinhas, I R Cohen, E Melamed, O Lider*

51 Treatment of multiple sclerosis with IVIg: potential effects and methodology of clinical trials *P S Sørensen*

54 Promotion of remyelination by polyclonal immunoglobulin in Theiler's virus-induced demyelination and in multiple sclerosis *B G M van Engelen, D J Miller, K D Pavelkor, O R Hommes, M Rodriguez*

58 High dose immunoglobulin IV treatment in adrenoleukodystrophy *M Cappa, E Bertini, P del Balzo, P Cambiaso, A Di Biase, S Salvati*

61 Immunoglobulin treatment in human and experimental epilepsy *B G M van Engelen, W O Renier, C M R Weemaes*

65 Indications for intravenous gammaglobulin therapy in inflammatory myopathies *P Cherin, S Herson*

70 Experience with intravenous immunoglobulin in myasthenia gravis: a review *G Edan, F Landgraf*

72 Electrophysiological sequels of inflammatory demyelination *W A Nix*